

# PATENT ABSTRACTS OF JAPAN

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## (54) AUTOMATIC SETTING DEVICE FOR SOUND FIELD REPRODUCTION ENVIRONMENT AND SPEAKER SYSTEM

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To automatically set a characteristic of a configuration filter to have an optimum characteristic depending on a speaker in use.

**SOLUTION:** In this automatic setting device, a configuration filter 100 applies filter processing to acoustic signals of a plurality of channels that are decoded by a decoder 4, a formatter 101 arranges the processed signal to have a transmission form, and the resulting signal is sent to a plurality of speakers 201-205 via a network interface 103 and a transmission line 200. Before the transmission of the acoustic signal, speaker information of each speaker is captured via the network interface 103, received and decoded by a de-formatter 104, a microcomputer 105 analyzes contents of the speaker information to set an optimum configuration filter characteristic in response to the speaker environment.

